

Duane W Storti

List of Publications by Year in descending order

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16
papers

774
citations

1040056

9
h-index

940533

16
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16
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16
docs citations

16
times ranked

1113
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of polymer mechanochemistry in responsive materials and additive manufacturing. <i>Nature Reviews Materials</i> , 2021, 6, 84-98.	48.7	151
2	A Generalized Fictitious Node Approach for Surface Effect Correction in Peridynamic Simulation. <i>Journal of Peridynamics and Nonlocal Modeling</i> , 2021, 3, 276-286.	2.9	5
3	High-Productivity Parallelism With Python Plus Packages (But Without a Cluster). <i>Computing in Science and Engineering</i> , 2021, 23, 38-46.	1.2	1
4	Data-Driven Additive Manufacturing Constraints for Topology Optimization. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2021, 143, .	2.2	6
5	A Coarea Formulation for Grid-Based Evaluation of Volume Integrals. <i>Journal of Computing and Information Science in Engineering</i> , 2020, 20, .	2.7	2
6	Treat All Integrals as Volume Integrals: A Unified, Parallel, Grid-Based Method for Evaluation of Volume, Surface, and Path Integrals on Implicitly Defined Domains. <i>Journal of Computing and Information Science in Engineering</i> , 2018, 18, 0210131-210139.	2.7	7
7	Additive Manufacturing of Catalytically Active Living Materials. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13373-13380.	8.0	89
8	Cross-linkable multi-stimuli responsive hydrogel inks for direct-write 3D printing. <i>Polymer Chemistry</i> , 2017, 8, 4199-4206.	3.9	53
9	Production of Materials with Spatially-Controlled Cross-Link Density via Vat Photopolymerization. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29037-29043.	8.0	114
10	3D-Printed Mechanochromic Materials. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 577-583.	8.0	236
11	Interval Extensions of Signed Distance Functions: iSDF-reps and Reliable Membership Classification. <i>Journal of Computing and Information Science in Engineering</i> , 2010, 10, .	2.7	2
12	Wavelet SDF-Reps: Solid Modeling With Volumetric Scans. <i>Journal of Computing and Information Science in Engineering</i> , 2009, 9, .	2.7	3
13	Coupled van der Pol oscillators as a simplified model for generation of neural patterns for jellyfish locomotion. <i>Structural Control and Health Monitoring</i> , 2006, 13, 417-429.	4.0	24
14	An Investigation of Coupled van der Pol Oscillators. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2003, 125, 162-169.	1.6	24
15	Implicit Methods for Geometry Creation. <i>International Journal of Computational Geometry and Applications</i> , 1998, 08, 509-536.	0.5	16
16	STABILITY OF IN-PHASE AND OUT-OF-PHASE MODES FOR A PAIR OF LINEARLY COUPLED VAN DER POL OSCILLATORS. <i>Series on Stability, Vibration and Control of Systems - Series B</i> , 1997, , 1-23.	0.2	41